

IN THE SPECIFICATION

Please amend the sentence starting at line 6, page 6 as follows:

The document logical structure is performed by the following ways:

- on the base of fixed elements location,
- using a table or multi-column structure [1], [5], [6],
- on the base of structural images identification [4],

via specialized methods for special documents types [3].

Please amend the paragraph staring at line 13, page 7 as follows:

Referring to Figure 1 of the drawings, One or more objects (1) are assigned on the form[[],]. The thus assigned objects as shown in Figure 2, composing comprise graphic images (2), for unambiguously defining its a direction of spatial orientation of the form. The said graphic image properties are described in a special model used for defining the direction of spatial orientation. Identification of the said image via the said model the right direction of image spatial orientation is defined. The said special model properties are stored in a special data storage means, one of the embodiments of which is the form image model description.

Please amend the paragraph staring at line 22, page 7 as follows:

In the a similar way one or more form objects (1) are assigned, composing so that the assigned form objects comprise graphic images as shown in Figure 2 (2) on the form, for unambiguously defining it's the form's type. Additionally one or more supplementary form objects may be assigned for profound form type analysis, if two or more forms are close in appearance or in properties list. The graphic image properties is described of an another special model used for form type definition. The said another special model properties are stored in a special data storage means, one of the embodiment of which is a form model description.

Please add the following paragraphs starting at line 24 on page 8:

Thus, the invention discloses methods of machine-readable form pre-recognition analysis.

In one embodiment, the method comprises:

preliminarily assigning at least one form object as a graphic image for identification of a spatial orientation of a form,

preliminarily creating at least one spatial orientation model of the said graphic image for identification of the spatial orientation of the form,

parsing a form image into regions,

determining the spatial orientation of the form image, comprising: detecting on the form image at least one of said graphic images for identification of the spatial orientation of the form;

(b) determining the spatial orientation of the form image based on a comparison of the detected graphic image with the spatial orientation model,

-(c) rotating the form image by 90°; and repeating step (c); in the case of said comparison between the detected graphic image and the spatial orientation model yielding a match that is below a predetermined level.

In another embodiment, the method comprises:

preliminarily assigning at least one graphic image in a form for identification of an image form type,

preliminarily creating at least one model of the said graphic image for identification of the image form type,

parsing the a form image into regions,

determining an image form type for the form image, comprising: detecting on the form image at least one of said graphic images for identification of the form type,

(a) performing a primary identification of the form image type based on a comparison of the detected graphic image with the said model, and

(b) performing a profound analysis using a supplementary data said-primary identification results in multiple possibilities for the form image type.